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› Alwniet HY320 Mini Projector User Manual

Alwniet HY320

Alwniet HY320 Mini Projector User Manual

Your comprehensive guide to setup, operation, and maintenance.

1. INTRODUCTION

Thank you for choosing the Alwniet HY320 Mini Projector. This manual provides essential information for the safe and efficient use of your new device. Please read it thoroughly before operating the projector and retain it for future reference. The Alwniet HY320 is a portable smart projector designed for versatile entertainment and presentation needs. It supports 4K input, offers native 720P resolution, and features advanced connectivity options like WiFi 6 and Bluetooth 5.0. Its compact design, 180-degree rotatable stand, and automatic keystone correction make it suitable for various projection environments.

2. SAFETY INFORMATION

Please observe the following safety precautions to prevent damage to the projector and ensure user safety:

- Do not look directly into the projector lens when the lamp is on. The intense light can cause eye damage.
- Ensure proper ventilation. Do not block ventilation openings. Overheating can lead to malfunction or fire.
- Use only the power adapter supplied with the projector. Using an incorrect adapter may cause fire, electric shock, or damage.
- Keep the projector away from water, moisture, and flammable materials.
- Do not attempt to repair the projector yourself. Refer all servicing to qualified personnel.
- Place the projector on a stable, level surface to prevent it from falling.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Alwniet HY320 Mini Projector
- Power Adapter
- Remote Control
- User Manual

4. PRODUCT OVERVIEW

Familiarize yourself with the components and ports of your Alwniet HY320 Mini Projector.



Image 4.1: Front view of the Alwniet HY320 Mini Projector, showcasing the lens and ventilation grilles.

Wide Compatibility



Image 4.2: Rear and side views illustrating the various input/output ports and compatible devices.

4.1. Ports and Controls

- **DC Input:** For connecting the power adapter.
- **HDMI Port:** Connects to devices like laptops, gaming consoles, or TV sticks.
- **USB Port:** For connecting USB drives for media playback or external devices.
- **Audio Out (3.5mm):** Connects to external speakers or headphones.
- **Focus Wheel:** Manual adjustment for image clarity.
- **Power Button:** Turns the projector on/off.

5. SETUP

5.1. Placement

Position the projector on a stable surface. The Alwtniet HY320 features a 180-degree rotatable stand, allowing projection

onto walls, ceilings, or other surfaces. Ensure there are no obstructions between the projector and the projection surface.

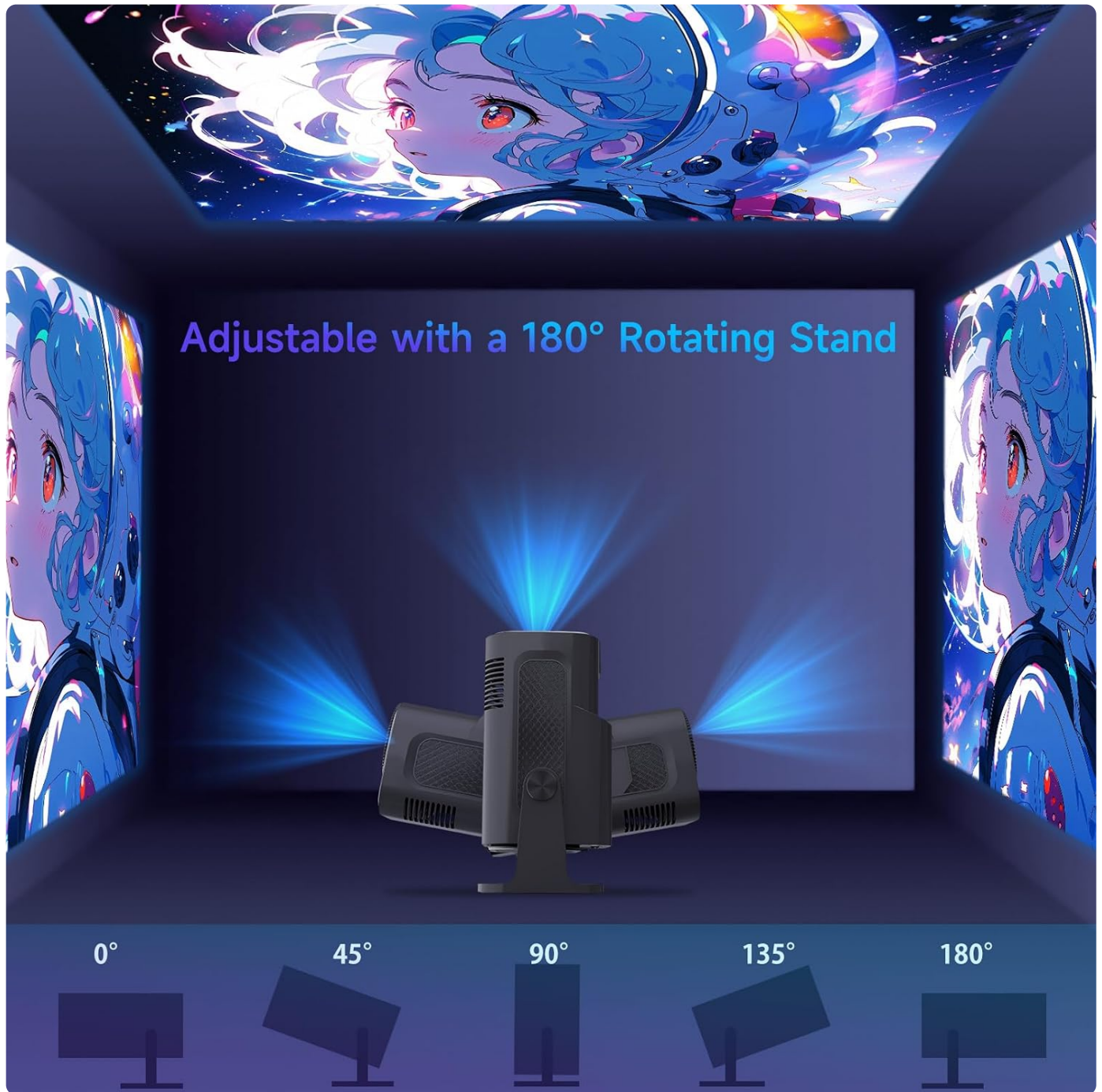


Image 5.1: The projector's stand allows for flexible positioning and projection angles up to 180 degrees.

5.2. Power Connection

1. Connect the power adapter to the DC input port on the projector.
2. Plug the power adapter into a suitable electrical outlet.

5.3. Initial Power On

Press the power button on the projector or the remote control to turn on the device. The indicator light will illuminate.

5.4. Focus Adjustment

Rotate the focus wheel located on the projector until the projected image appears clear and sharp.

5.5. Automatic Keystone Correction

The HY320 features automatic vertical keystone correction. This function automatically adjusts the image to be rectangular even if the projector is placed at an angle. For optimal results, ensure the projector is facing the screen as directly as possible.



Image 5.2: The projector automatically corrects image distortion to maintain a perfect rectangular shape.

5.6. Projection Distance and Screen Size

The projector offers a projection size range of 30 to 150 inches. For the best visual experience, a viewing distance of approximately 1.68 meters is recommended for clear images.



Image 5.3: Guide for optimal projection distances and corresponding screen sizes.

6. OPERATING INSTRUCTIONS

6.1. Basic Navigation

Use the remote control to navigate the Android TV interface. The directional buttons allow you to move between options, and the 'OK' button selects an item. The 'Back' button returns to the previous screen, and the 'Home' button takes you to the main menu.

6.2. Wi-Fi Connection

The HY320 supports dual-band WiFi 6 (5 GHz and 2.4 GHz) for fast and stable internet connectivity.

1. Go to the 'Settings' menu on the projector.
2. Select 'Network & Internet'.
3. Turn on Wi-Fi and select your desired network from the list.

4. Enter the Wi-Fi password if prompted and connect.



Image 6.1: The projector connected to a smartphone and a Bluetooth speaker via WiFi 6.

6.3. Bluetooth Connection

The projector features Bluetooth 5.0 for connecting to external audio devices like speakers or headphones.

1. Go to the 'Settings' menu.
2. Select 'Connected Devices' or 'Bluetooth'.
3. Turn on Bluetooth and put your external audio device into pairing mode.
4. Select your device from the list to pair.

6.4. Connecting External Devices

You can connect various devices using the available ports:

- **HDMI:** Connect laptops, game consoles, or streaming sticks. Select the HDMI input source from the projector's

menu.

- **USB:** Insert a USB flash drive to play media files directly. Navigate to the media player application on the projector.

6.5. Android TV Features

The integrated Android TV system allows you to download and install applications directly from the App Store. This includes streaming services, games, and other utilities.

1. Ensure the projector is connected to Wi-Fi.
2. Navigate to the App Store icon on the home screen.
3. Browse or search for desired applications and install them.

6.6. Screen Mirroring

The projector supports wireless screen mirroring from compatible smartphones and other devices. Refer to your device's screen mirroring instructions (e.g., Miracast, AirPlay) and select the corresponding option on the projector.

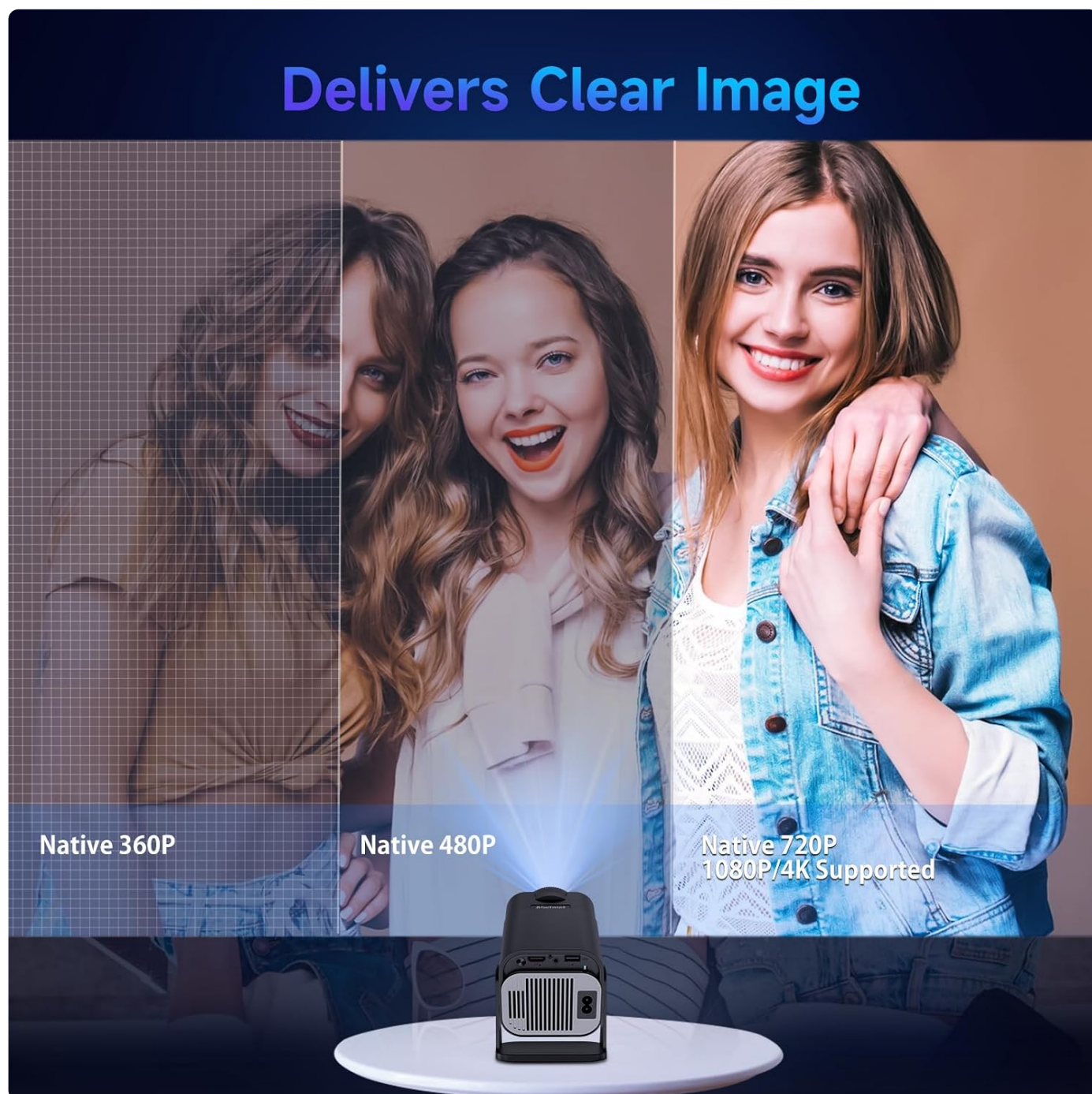


Image 6.2: Comparison of native resolutions, highlighting the clear image quality of the HY320.

7. MAINTENANCE

7.1. Cleaning the Lens

Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe the projector lens. Do not use abrasive cleaners or excessive force, as this can scratch the lens.

7.2. Cleaning the Projector Body

Wipe the exterior of the projector with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Avoid using chemical cleaners.

7.3. Ventilation

Regularly check that the ventilation openings are clear of dust and debris to ensure proper airflow and prevent overheating.

7.4. Storage

When not in use for extended periods, store the projector in a cool, dry place, away from direct sunlight and extreme temperatures. Consider using the original packaging or a protective case.

8. TROUBLESHOOTING

If you encounter issues with your Alwtniet HY320 Mini Projector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cable not connected; power outlet faulty; projector off.	Ensure power cable is securely connected. Test the outlet with another device. Press the power button.
Blurry image	Focus not adjusted; projector too far/close; dirty lens.	Adjust the focus wheel. Ensure projector is within optimal distance. Clean the lens.
No image	Incorrect input source; cable not connected; device not outputting signal.	Select the correct input source (HDMI, USB). Check cable connections. Ensure external device is powered on and configured to output video.
No sound	Volume too low; external speakers not connected/paired; audio format not supported.	Increase projector volume. Check Bluetooth connection for external speakers. Ensure audio format is compatible.
Wi-Fi connection issues	Incorrect password; out of range; router issues.	Verify Wi-Fi password. Move projector closer to the router. Restart your router.

9. SPECIFICATIONS

Below are the technical specifications for the Alwtniet HY320 Mini Projector (Model: HY320pro):

Feature	Specification
Brand	Alwtniet

Feature	Specification
Model Number	HY320pro
Color	Black
Native Display Resolution	1280 x 720 pixels
Maximum Display Resolution	1920 x 1080 pixels (4K supported input)
Display Type	DLP
Connectivity Technology	Ethernet, Wi-Fi (WiFi 6 dual-band), Bluetooth (BT 5.0)
Special Features	Integrated Wi-Fi, Auto Keystone Correction, 180° Rotation
Recommended Uses	Home Cinema
Compatible Devices	Laptops, Smartphones, Gaming Consoles, Media Players, TV Sticks
Included Components	Power Adapter
Mounting Type	Table Mount

10. WARRANTY AND SUPPORT

Alwtniet provides a 2-year product warranty for the HY320 Mini Projector. Additionally, lifetime after-sales support is available for any questions or issues you may encounter.

For technical assistance or warranty claims, please contact Alwtniet customer support through the retailer where you purchased the product or visit the official Alwtniet website for contact information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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